		papergrid
	DATA STRUCTURES.	
1	LAB 1	
2	Write a program to simulate the working of stack with the following: push b) pop c) Display. The program should messages for stack overflow, stack underflow	
	Code: Hinclude < stolie.h >	
	# define N 5 int stack [8], top =-1;	
	void push ()	
	intac; $if(top = = (N-1))$ if	,
	printy ("In Stack Overflow");	
	else 3	
	printy L' \n Enter the number to be inserted "); Slang C' \n -1.d", & >1; top ++;	
	Stack [top] == ol;	
	Je Je	
	Yord pape	
	Int Am;	

Date: / /

point of ("In Stack underflow"); prints ("The element popped is \n.1.d", itm); printfl"\n/.d", stack [i]); prints buy The stock is empty "); void main t int choice; prints ("In Enter these keys for the following ops 1. push 2.pop 3.1)

5cons ("In -1.d. / & choice);

papergrid Switch (choice) lasel push () break ; Case ? pop(); preak > case 4: exit (0); break ; 3 while (charce) = 4); Enter the keys for the following ops 1. push 2. pop 3. display 4. Pait 1 Enter the number to be inserted 21 Enter these keys for the following ops 1. push 7.pop 3. display 4. excit 3 Enter these keys for the following ops 1. push 2. pop 3. display 4. cart The element popped is 21 Enter these keys for the following ops I push 2 pop 3 display 4. Bacit frocess returned 0 (0x0) execution time: 17.5165.